Rymer, Edwina

From: Dellinger, Philip

Sent: Monday, December 22, 2014 10:40 AM

To: dellingp88@gmail.com

Subject: FW: Revised NTW Project Topic # 2011-3 - Minimizing and Managing Potential Impacts

of Injection-Induced Seismicity from Class II Disposal Wells: Practical Approaches

Attachments: Induced seismicity Report 11-12-14 Final.pdf; NTW Induced Seismicity Revised Work

Product Transmittal.pdf

From: Hildebrandt, Kurt

Sent: Friday, December 19, 2014 8:22 AM

To: Kumar, Chitra **Cc:** Dellinger, Philip

Subject: FW: Revised NTW Project Topic # 2011-3 - Minimizing and Managing Potential Impacts of Injection-Induced

Seismicity from Class II Disposal Wells: Practical Approaches

Importance: High

Here you go.

From: Hildebrandt, Kurt

Sent: Friday, November 14, 2014 11:05 AM

To: Bergman, Ronald; Green, Holly

Cc: UIC Managers; UIC National Technical Workgroup--State and EPA Members

Subject: Revised NTW Project Topic # 2011-3 - Minimizing and Managing Potential Impacts of Injection-Induced

Seismicity from Class II Disposal Wells: Practical Approaches

Importance: High

Ron & Holly -

Please find attached a revised copy of the NTW work product (report) on induced seismicity and the transmittal memo. This revised version of the report incorporates comments (where appropriate) that were provided by the external peer review group that had been assembled by OGWDW as well as a technical editor who was tasked to correct any grammatical mistakes, misspellings, mistyping or incorrect punctuation and to ensure the consistent usage of terms. While this resulted in a number of changes overall to the report, those changes did not alter the recommendations that were contained in the original version of report.

The development of the revised version took a lot of hard work by number of people and many hours on the phone and PC reviewing comments, making changes and reaching consensus. However, it was the persistence of the Region 6 Management and Staff (in particular Phil Dellinger, Nancy Dorsey, Ken Johnson, Arnold Bierschenk and Ron Lawrence) along with Bruce Kobelski and William Bates of your staff that really kept this on track over its second gestation period. So kudos to them and the rest of the NTW members and others that worked on or reviewed this report. In the end, I believe that this revised version improves on what was an already excellent document and should prove to be valuable tool to those UIC program Directors who either have developed or are in the process of developing their own plans for addressing induced seismicity.

I hope that you find the work product useful and feel free to contact either Phil Dellinger or myself if you should have any questions about it.

Regards, Kurt Kurt F. Hildebrandt

US Environmental Protection Agency - Region 7 Water, Wetlands & Pesticides Division 11201 Renner Boulevard Lenexa, Kansas 66219

Voice: **913-551-7413** FAX: **913-551-9413**